

The Belden Catalog

Cable College

Corporate Information

Sales and Service

DISTRIBUTOR DESK

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Cable finder

Technical Info

Conduit Capacity Chart

Connector Cross Ref.

Distributor Login

Help

Customer Service

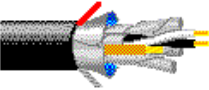
Distributor Locator

Back

New Search

Search

FULL TECHNICAL SPECS



1494A Composite - Power Limited Tray Cable 300 Volts

Total # Cond.		# Pairs			
17		8			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
16	(7x24)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01600	Individual/Overall Aluminum Foil-Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0660	.5550	.6870	14.700	60.000
For technical data, click the button below			For available colors, click the button below		
<div>Tech Data</div>			<div>Put-ups & Colors</div>		
or call 1-888-Belden8			or call 1-888-Belden8		
Description					
<p>Multi-Conductor, Composite, 8 pairs (16 AWG, stranded (7x24) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation, Individual Aluminum Foil-Polyester Tape (Beldfoil) shield with 18 AWG stranded (7x26) tinned copper drain wire) plus 1 communication wire (22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation), Overall Aluminum Foil-Polyester Tape (Belfoil) shield with 16 AWG stranded (7x24) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket with nylon ripcord. Applicable Specifications: UL PLTC, ITC or CMG or C(UL) CMg, FT4, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray Flame Test. Power Limited Tray Cable. Industrial Automation & Process Control Cables. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple pair cables have each pair numbered for ease of identification. Individually shielded and overall shielded - individually shielded pairs with an overall shield are recommended for use in instrument and control applications where optimum noise rejection is required. Individual pair shields are fully isolated from each other and contain a separate drain wire for grounding, to provide maximum protection from crosstalk and common mode interference. Cables with an overall shield provide additional electrostatic noise protection. BELDFOIL is a Belden registered trademark.</p>					

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a [comment](#)

07/09/02

TECHNICAL DATA

Customer Number •

000001

Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code

1494A

Go

Example: 9269

Product Search

TECHNICAL DATA

04-20-00 REV. 6

1494A

I. DESCRIPTION:

POWER LIMITED TRAY CABLE - 8 PAIRS + COMMUNICATION WIRE
PAIRS ARE 16 AWG (7X24) BARE COPPER, PVC INSULATION,
INDIVIDUALLY BELDFOIL SHIELDED W/ 18 AWG (7X26) TINNED
COPPER DRAIN WIRE, COMMUNICATION WIRE IS 22 AWG (7X30)
BARE COPPER, PVC INSULATION, OVERALL BELDFOIL SHIELD
W/ 16 AWG (7X24) TINNED COPPER DRAIN WIRE, BLACK PVC
JACKET WITH A NYLON RIPCORD.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 V RMS
NOM. CONDUCTOR DC RESISTANCE	
@ 20 DEG. C (16/22 AWG):	3.67/14.7 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE	
@ 20 DEG. C:	
(INDIVIDUAL):	5.07 OHMS/1000 FT.
(OVERALL):	2.95 OHMS/1000 FT.
NOM MUTUAL CAPACITANCE @ 1 KHZ:	60 PF/FT (CALCULATED)

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-30 TO +105 DEG. C
INSULATION MATERIAL:	PVC
JACKET MATERIAL:	PVC - SUN RES
TYPE SHIELDS:	POLYESTER/ALUM FOIL
MAX. PULLING TENSION:	795 LBS. ESTIMATED
NOM. WEIGHT/1000 FT.:	315 LBS. ESTIMATED
MIN. BEND RADIUS:	6.9" ESTIMATED
CABLE DIAMETER:	.687" ESTIMATED
APPLICABLE SPECIFICATIONS:	UL PLTC, ITC OR CMG OR C(UL) CMG, FT4, IEEE 1202
COLOR CODE:	PAIRS BLACK & WHITE WITH NUMBERS ORANGE COMM WIRE

FLAME RESISTANCE:

UL 1581 VERTICAL TRAY
FLAME TEST